
	Recommended Program of Study for: <b>Agriculture Mechanical Engineering Technology Power Systems</b>																		
<b>Career Cluster: Agriculture Food and Natural Resources</b>			<b>Career Pathway: Power, Structural and Technical Systems</b>																
<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>	<b>12<sup>th</sup> Grade</b>	<b>Postsecondary</b>															
English I	English II	English III	English IV	College of Southern Nevada Great Basin College Truckee Meadows Community College University of Nevada, Las Vegas University of Nevada, Reno Western Nevada College															
Algebra I	Geometry I	Algebra II	Senior Level Math Course																
Biology	Chemistry	Third Year Science	Elective <sup>1</sup>																
Health / Computer Literacy	World History	US History	US Government																
Physical Education	Physical Education	Foreign Language <sup>2</sup> or Elective <sup>1</sup>	Foreign Language <sup>2</sup> or Elective <sup>1</sup>																
Agriculture Mechanical Engineering Technology I	Agriculture Mechanical Engineering Technology II	Ag MET Power Systems	Agriculture Mechanical Engineering Technology Advanced Studies	<b>Career and Technical Student Organizations</b>															
<b>Work-Based Learning</b>		<b>Secondary</b>	<b>-- Articulation --</b>			<b>Postsecondary</b>													
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers		Agriculture Mechanical Engineering Technology I Agriculture Mechanical Engineering Technology II Ag MET Power Systems		Up to 3 credits at Great Basin College Up to 10 credits at Western Nevada College  (subject to change)															
<b>CTE Assessments<sup>3</sup></b>		<b>Available Industry Certifications</b>		<b>High Wage - High Skill - High Demand Careers<sup>4</sup></b>															
-End of Program Technical Assessment for AgMET Power Systems -Workplace Readiness Skills Assessment (for Employability Skills Standards)		<table><tr><td><b>Certification</b></td><td><b>Provider</b></td></tr><tr><td>CareerSafe</td><td>OSHA</td></tr><tr><td>AWS Certified Welder</td><td>American Welding Society</td></tr></table>		<b>Certification</b>	<b>Provider</b>	CareerSafe	OSHA	AWS Certified Welder	American Welding Society	<table><tr><td>Heavy Equipment Maintenance Technicians</td><td>Agriculture Engineer</td></tr><tr><td>Agriculture Educator</td><td>Tractor Technician</td></tr><tr><td>Education and Extension Specialist</td><td>Equipment/Parts Manager</td></tr><tr><td></td><td>Machinist</td></tr></table>		Heavy Equipment Maintenance Technicians	Agriculture Engineer	Agriculture Educator	Tractor Technician	Education and Extension Specialist	Equipment/Parts Manager		Machinist
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This Program of Study is based upon the requirements needed for an Advanced Diploma. Academic course names may vary among school districts. All students must pass the high school proficiency exams to qualify for any high school diploma.

<sup>1</sup> Electives may include arts and humanities courses or other career and technical education courses that relate to the program of study.

<sup>2</sup> Foreign Language courses are recommended if a student is planning on entering a university. (See individual university admission policies)

<sup>3</sup> CTE Assessments will be administered during the completion level CTE course.

<sup>4</sup> For additional career and employment information visit <http://www.nvcis.intocareers.org/> and <http://www.NevadaYouth.org>

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